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APPLICATION N	۱0. F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/031,085		01/16/2002	Kenichi Shiraishi	740670-271	6081
31780	7590	08/08/2006		EXAM	INER
	OBINSON		KIM, KEVIN		
	PMB 955 21010 SOUTHBANK ST.			ART UNIT	PAPER NUMBER
POTOMA	AC FALLS,	VA 20165	2611		
				DATE MAILED: 08/08/2006	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/031,085	SHIRAISHI ET AL.					
Office Action Summary	Examiner	Art Unit					
	Kevin Y. Kim	2611					
The MAILING DATE of this communication Period for Reply	appears on the cover sheet wi	th the correspondence address					
A SHORTENED STATUTORY PERIOD FOR RE WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by stany reply received by the Office later than three months after the mearned patent term adjustment. See 37 CFR 1.704(b).	B DATE OF THIS COMMUNIC R 1.136(a). In no event, however, may a r riod will apply and will expire SIX (6) MON atute, cause the application to become AB	CATION. eply be timely filed ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).					
Status		•					
1) Responsive to communication(s) filed on 1	<u>6 January 2002</u> .						
2a) ☐ This action is FINAL . 2b) ☑ 1	This action is FINAL . 2b)⊠ This action is non-final.						
3) Since this application is in condition for allo	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice unde	er <i>Ex parte Quayle</i> , 1935 C.D	. 11, 453 O.G. 213.					
Disposition of Claims							
4)⊠ Claim(s) 1-7 is/are pending in the application	on.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠ Claim(s) <u>3-6</u> is/are allowed.							
6)⊠ Claim(s) <u>1,2 and 7</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction an	d/or election requirement.						
Application Papers							
9)☐ The specification is objected to by the Exam	niner.						
10) The drawing(s) filed on /////o2-is/are: a) X a		by the Examiner.					
Applicant may not request that any objection to							
Replacement drawing sheet(s) including the cor	rection is required if the drawing	(s) is objected to. See 37 CFR 1.121(d).					
11)☐ The oath or declaration is objected to by the	Examiner. Note the attached	Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
12)⊠ Acknowledgment is made of a claim for fore a)□ All b)□ Some * c)⊠ None of:	ign priority under 35 U.S.C. §	119(a)-(d) or (f).					
 Certified copies of the priority docum 	1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority docum							
3.⊠ Copies of the certified copies of the p	•	received in this National Stage					
application from the International Bur	, , , , , , , , , , , , , , , , , , , ,						
* See the attached detailed Office action for a	list of the certified copies not	received.					
Attachment(s)							
1) Notice of References Cited (PTO-892)		Summary (PTO-413)					
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB. 		s)/Mail Date nformal Patent Application (PTO-152)					
Paper No(s)/Mail Date	6) Other:	· · · · · · · · · · · · · · · · · · ·					

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. Claims 1,2 and 7 are rejected under 35 U.S.C. 102(a) as being anticipated by Shiraishi et al (US 6,683,921).

Shiraishi et al (US 6,683,921) describes a prior art apparatus for receiving BS digital broadcast. Since its PCT application was published in June, 1999, the prior art described in this patent anticipates the present invention with the priority date of May 24, 2000.

The apparatus, shown in Fig.12, regenerates a carrier by a carrier regeneration loop (10) and establishes phase synchronization to decode a PSK modulation signal regenerated from a modulated signal to a digital signal, where the phase of a signal point indicated by the PSK modulation signal outputted from said carrier regeneration loop is shifted (13,14-1,15-1,15-4) by a phase determined on the basis of the type of PSK modulation technique (ar(3)) applied to a received signal and a phase error contained in the PSK modulation signal, then the digital signal is decoded, and the carrier is regenerated on the basis of a phase error detected by performing burst receiving only in a predetermined signal interval (see Fig.11A).

See cols. 1-12.

Allowable Subject Matter

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3. Claims 3-6 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Y. Kim whose telephone number is 571-272-3039. The examiner can normally be reached on 8AM --5PM M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on 571-272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

July 29, 2006

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KEVIN KIM PATENT EXAMINER